(51) International Patent Classification[7]: **H04N 1/00**

(21) International Application Number:
PCT/EP2004/051935

(22) International Filing Date: 27 August 2004 (27.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0321164.6   10 September 2003 (10.09.2003)   GB

(71) Applicant *(for all designated States except US)*:
HEWLETT-PACKARD DEVELOPMENT COM-
PANY, L.P. [US/US]; Legal dept., 20555 S.H. 249,
Houston, Texas 77070 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: ENCRENAZ,
Michel [FR/ES]; Calle pelicano, 45, E-08191 Rubi (ES).
LAMMENS, Johan [BE/ES]; Josep Carner 13/2/1,
E-08190 Sant Cugat del Valles, Barcelona (ES).

(74) Agent: LEADBETTER, Benedict; Hewlett-Packard Es-
pañola, S.L., Legal Dept., Avda Graells, 501, E-08174 Sant
Cugat del Valles (ES).

(81) Designated States *(unless otherwise indicated, for every
kind of national protection available)*: AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
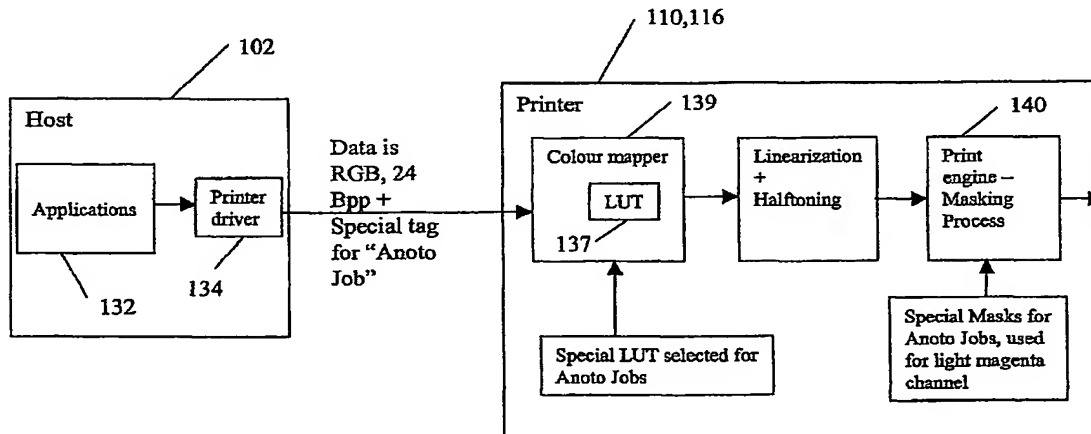TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States *(unless otherwise indicated, for every
kind of regional protection available)*: ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:
— *without international search report and to be republished
upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: METHODS, APPARATUS AND SOFTWARE FOR PRINTING LOCATION PATTERN AND PRINTED MATERIALS

(57) Abstract: A print control system adapted to control a digital printer having a first machine-readable ink of a first colour and
a second ink that is not machine readable at the same wavelength as said first ink and that is of substantially the same colour, said
system being adapted to control said printer to print upon a document in said first ink a position -determining pattern readable by a
digital pen to enable said pen to acquire data to enable a position of said pen in said pattern to be determined, and to print human
discernable content that is not read by said pen superposed with said pattern using said second ink and not said first ink.